

CLAIMS

1. A holding member for holding a horizontal wear
5 plate (14; 114) in position on a rotor (1) for a vertical
shaft impact crusher, characterised in that
the holding member (60, 62; 160; 260) comprises a holding
part (68; 168; 262) for holding the wear plate (14; 114)
and a fixing means (86, 88; 278) for releasably fixing
10 the holding member (60, 62; 160; 260) to a vertical wall
segment (20) of said rotor (1) such that the wear plate
(14; 114) bears against a first side (76) of said wall
segment (20).

2. A holding member according to claim 1, wherein
15 the holding part comprises a bar (68; 168; 260) adapted
to extend through a hole (72; 272) in the wall segment
(20).

3. A holding member according to claim 2, wherein
said fixing means comprises a surface portion (278) of
20 said bar (68; 260), the surface portion (278) being
adapted to interact with the hole (72; 272) in the wall
segment (20) for forming an interference fit of the bar
(68, 260) in the hole.

4. A holding member according to claim 2, wherein
25 the fixing means (86, 88) is adapted to be located at a
second side (82) of said wall segment (20) opposite to
said first side (76) thereof.

5. A holding member according to claim 4, wherein
said fixing means comprises a pin (86) and a pin hole
30 (88), said pin hole (88) being adapted to receive said
pin (86) for fixing the holding member (60, 62).

6. A holding member according to claim 5, wherein
the fixing means further comprises a bracket (80) to be
mounted on the wall segment (20) at said second side (82)
35 thereof, the pin hole (88) being adapted to be located
between a vertical portion of said bracket (80) and said
second side (82) of said wall segment (20) such that the

pin (86) may be inserted in the pin hole (88) between said vertical portion and said wall segment (20).

7. A holding member according to any one of claims 4 to 6, wherein the holding member comprises a handle member (70) for inserting the holding part (68) through said hole (72) in the wall segment (20) from said second side (82) of said wall segment (20).

8. A holding member according to claim 2, wherein said fixing means comprises a surface portion of said bar, the surface portion being threaded to interact with a threaded portion of said hole in the wall segment.

9. A holding member according to any one of the preceding claims, the holding part (68; 262) being adapted to interact with a surface (74) of said wear plate (14), said surface (74) being the surface of the wear plate (14) that is remote from a rotor surface (4) to be protected by said wear plate (14).

10. A holding member according to any one of claims 1-8, the holding part (168) being adapted to be inserted into a wear plate hole (115) formed in said wear plate (114).

11. A holding member according to any one of claims 1-3 and 9, wherein the holding member comprises a wedge (260), the wedge (260) being adapted to be inserted into a hole (272) of the vertical wall segment (20) and to be locked therein.

12. A holding member according to claim 11, wherein the wedge (260) is adapted to be inserted into the hole (272) from the inner side of said vertical wall segment (20) such that the larger end (264) of the wedge (260) will become covered by a bed (40) of material during crusher operation.

13. A holding member according to claim 12, wherein the wedge (260) comprises a dismounting surface (270) adapted for dismounting the wedge (260) by a stroke impacting the dismounting surface (270), the dismounting surface (270) being adapted to be located at the outer

side of said vertical wall segment (20) such that the dismounting surface (270) will remain free of any bed (40) of material during crusher operation.

14. A holding member according to claim 13, wherein
5 the wedge comprises a surface (266) adapted for being covered by the bed (40) of material during crusher operation and for breaking the bed (40) of material when a stroke is made to the dismounting surface (270).

15. A holding member according to any one of claims
10 11 to 14, wherein the wedge (360) is made of polymer material.